

Long Beach Bicycle Master Plan



Prepared for:
City of Long Beach

Prepared by:
Alta Transportation Consulting
Ryan Snyder & Associates
Willdan Associates

December 11, 2001



Long Beach Bicycle Master Plan Table of Contents

Section	Page
Introduction	1
Goals and Objectives	8
Existing Conditions	21
Needs Analysis	38
Recommended Improvements	50
Implementation	88
Design and Maintenance	103

Appendix A: Survey	130
Appendix B: Survey Results	131-133
Appendix C: Land-Use Map	134
Appendix D: Glossary of Terms	135

Bicycle Transportation Account	Page
1. Existing and Future Bicycle Commuters	49
2. Land Use Map and Population Density	134
3. Existing Bikeways	9,15, 25
3. Proposed Bikeways	51,51,57
3. Existing Bicycle Parking Facilities	32
4. Proposed Bicycle Parking Facilities	51,52
5. Existing and Proposed Multi-modal Connections	34-35
6. Existing and Proposed Changing and Storage Facilities	30
7. Bicycle Safety and Education Programs	33
8. Citizen Participation	41
9. Consistency with Transportation and Air Quality	49
10. Project Descriptions and Priority Listings	57-87
11. Past Expenditures and Future Financial Needs	90-94

Tables	Page
1. Existing Long Beach Bikeways	25-26
2. Existing Bicycle Parking and Support Facilities	32
3. Bike Demand and Air Quality Benefits	49
4. Bikeway Project Rankings	57
5. Short-Term Projects Estimates Costs	90-91
6. Operations and Maintenance Costs	92
7. Long Beach Bikeway Project Funding Sources	93-95
8. Recommended Signing & Marking Standards	114-115
9. Recommended Bicycle Parking Location and Quantity	121
10. Maintenance Schedule and Checklist	125

Figures	Page
1. Types of Bikeway Facilities	23
2. Existing Bikeways Map	24
3-7. Bicycle Survey Results	43
8. Short-term Recommended Bikeway Improvement Map	51
9. Medium/Long-term Recommended Bikeway Improvements Map	52
10. Recommended Bicycle Logo Sign	59
11. Bicycle Path Cross Section 3 rd Street Downtown	65
12. Bicycle Path Cross Section Broadway Downtown	66
13. Bicycle Path Cross Section 1 st and Second Street Downtown	67
14. Bicycle Path Cross Section Broadway East of Loma	68
15. Bicycle Path Cross Section Lyons Drive	69
16. Bicycle Path Cross Section Atherton	74
17. Bicycle Path Cross Section Willow	75
18. Bicycle Path Cross Section Westminster	78
19. Bicycle Path Cross Section San Antonio Drive	80
20. Bicycle Path Cross Section Pacific Avenue	81
21. Bicycle Path Cross Section Pacific North of Wardlow	82
22. Bicycle Path Cross Section Del Amo Boulevard	84
23. Class II Bike Lane Crossing Section	111
24. Bicycle Lane Intersection Design	112
25. Right Turn Channelization	113
26. Bicycle Route Sign	116
27-28. Schematic of Colored Bike Lane and Pavement Stencil	117
29. Signing Unsignalized Intersection	118
30. Signing Signalized Intersection	119
31. Signs	120
32. Bicycle Rack	122
33. Bicycle Locker	123